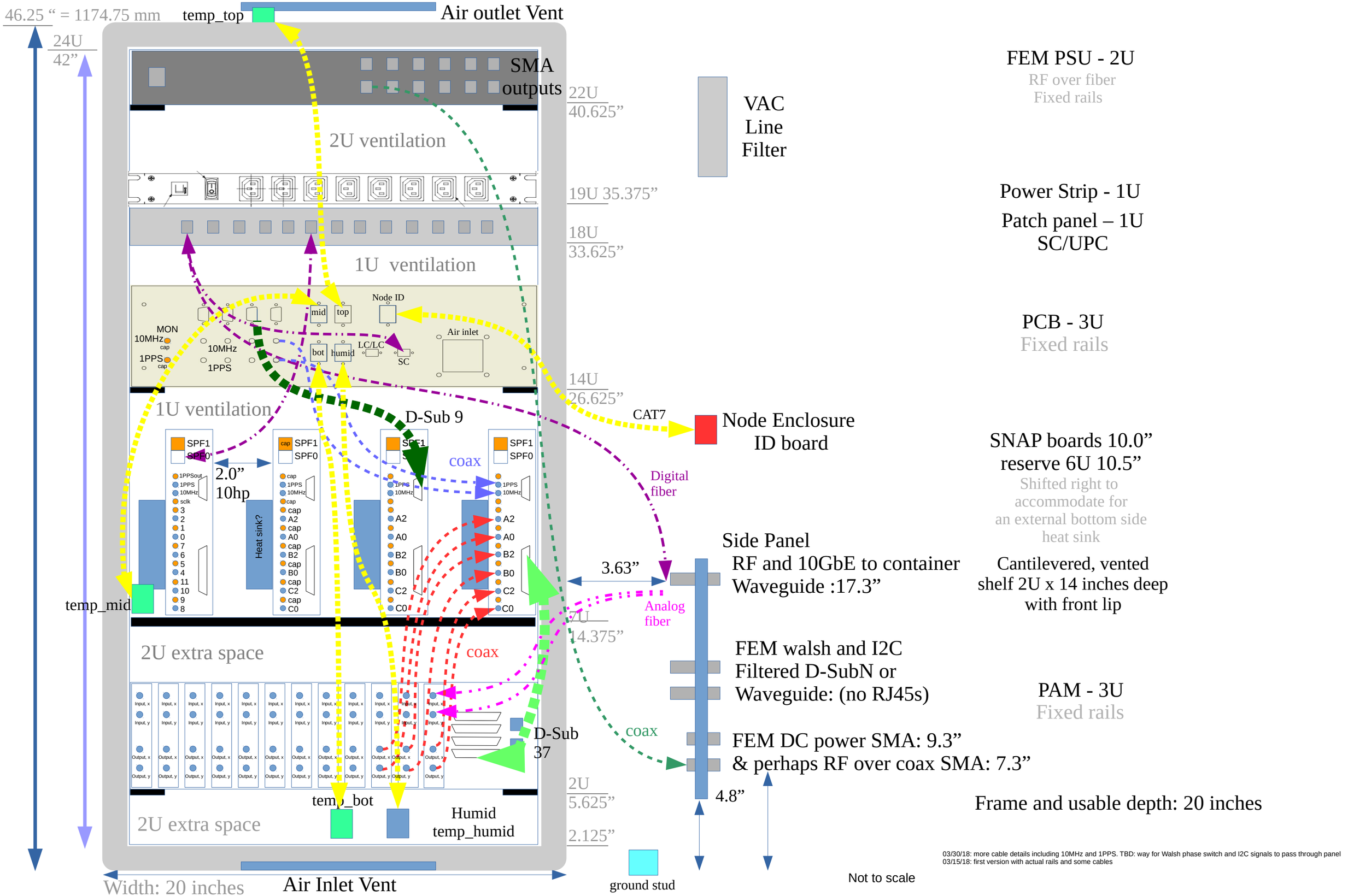
46.25 “ = 1174.75 mm
24U
42”
temp_top
Air outlet Vent
SMA outputs
22U
40.625”
2U ventilation
19U 35.375”
18U
33.625”
1U ventilation
Node ID
mid
top
MON
10MHz
cap
1PPS
cap
10MHz
1PPS
bot
humid
LC/LC
SC
Air inlet
14U
26.625”
1U ventilation
D-Sub 9
CAT7
SPF1
SPF0
2.0”
10hp
coax
Heat sink?
Digital fiber
3.63”
Analog fiber
temp_mid
7U
14.375”
2U extra space
coax
D-Sub 37
coax
2U
5.625”
temp_bot
Humid
temp_humid
2U extra space
2.125”
4.8”
Width: 20 inches
Air Inlet Vent
ground stud
VAC Line Filter
Node Enclosure ID board
Side Panel
RF and 10GbE to container
Waveguide :17.3”
FEM walsh and I2C
Filtered D-SubN or
Waveguide: (no RJ45s)
FEM DC power SMA: 9.3”
& perhaps RF over coax SMA: 7.3”
FEM PSU - 2U
RF over fiber
Fixed rails
Power Strip - 1U
Patch panel – 1U
SC/UPC
PCB - 3U
Fixed rails
SNAP boards 10.0”
reserve 6U 10.5”
Shifted right to accommodate for an external bottom side heat sink
Cantilevered, vented shelf 2U x 14 inches deep with front lip
PAM - 3U
Fixed rails
Frame and usable depth: 20 inches
03/30/18: more cable details including 10MHz and 1PPS. TBD: way for Walsh phase switch and I2C signals to pass through panel
03/15/18: first version with actual rails and some cables
Not to scale